Distinctive features of the Mechatronics Engineering Program

Mechatronic Engineering Program at the Faculty of Engineering, Tanta University, has some features:

1- This program qualifies for a bachelor's degree in engineering (Mechatronics Engineering Department) and the student who is graduated from the program is enrolled in the Mechanical Engineering Division of the Egyptian Engineers Syndicate after fulfilling the graduation requirements.

2- the study at this program is distinguished and up to date as this study follows the credit system hours which keeps up the global trend for the development of university education and turning from the system of terms to the credit system hours. The credit system hours distinguish giving the students more freedom to
choose the contents of the program they wish to study Where there is a great opportunity to choose from a set of courses and conditions that allows the student to complete the study at the appropriate time when he or she has the desire, to be ready and the ability without being restricted by a certain time so the study will be dynamic and the interest gained will be relatively higher than the system of terms .

3- the academic year divided into two semesters, the first semester is called the fall semester and the second is called the spring semester and there is also an optional summer semester in each semester, the student usually studies from 12 to 21 credit hours and the students can distribute the required university and college courses over their academic years, they can study with students from previous and following years, and they can also study the basic and secondary specialization. If a student fails a course, he must repeat this course individually if it is a compulsory course or he studies an alternative course if it is an elective course.

4- The ease of the process of following up students with different tests, duties, different requirements, and other activities throughout the semester Which facilitates the process of continuous evaluation and giving feedback of the student's level and periodic following him or her.

5- The students register courses dynamically and can have some courses compulsory and some others are elective courses, and can choose the course they wish to study according to their desire and the benefits of the available courses for selection which were carefully selected to keep in touch with modern developments and requirements in the mechatronics engineering field of and other available fields in international universities.

6- Applying the academic advisor system for the success of the educational process which an academic advisor is assigned to each student of the program who is a faculty member to help students, be responsible for them, their registration and help them to develop a plan for study and understanding the requirements to complete the academic track in the program.

7- The academic advisor system guides the troubled students, advise and take care of them, following them up to raise their level of education and helping them overcome the obstacles they face. Besides providing students with suggestions and advice to improve their educational attainment and help them overcome their academic and administrative problems.

8- The Mechatronic Engineering Program at the Faculty of Engineering, Tanta University, is characterized by the existence of guidance technology in which the electronic deletion and addition system is activated where the paper forms and transactions are dispensed, and the student in the program deals with a special system for
deletion and addition via a student's personal account under the cooperation with the student's academic advisor and the Student Affairs Administration of the program.

9- In addition to the academic advantages, continuous support, and the distinguished study system in the mechatronics engineering program, The mechatronics engineering program at the Faculty of Engineering, Tanta University, is characterized by the presence of a very distinct infrastructure which transcend the general taste for students and provides a distinct environment for teaching and learning in the program that emulate the international teaching and learning environments.

10- The environment of study in the mechatronics engineering program distinguishes with an ideal environment for education like halls, laboratories and faculty members

Where the study is done in air-conditioned halls and few numbers of students, with no more than 80-75 students in the lecture course and the number of students in the practice and practical groups don't exceed 25 to 30 students to guarantee the ideal interaction between the lecturer and the student, allowing easy learning and understanding.

11- One of the distinctive features of the mechatronics engineering program at the Faculty of Engineering, Tanta University is the presence of several laboratories that obtain local and international accreditation and they are available to benefit students in the various courses they study in the program. This feature distinguishes the graduate and earns him more distinguished practical experiences than peers him in similar programs in different universities.

12- One of the most important features of the Mechatronic Engineering Program at the Faculty of Engineering, Tanta University is that the teaching staff of the program are a distinguished elite of the faculty members and the specialists in the field of mechanical engineering and mechatronics who have a great deal in obtaining
distinguished international, local and regional awards in the fields of scientific research, publishing and contributing in the work of developing the field of mechatronics engineering, in addition to that they are publishing international research in journals with impact index from the first categories, and with knowledge of conferences and specialized scientific periodicals, besides organizing several regional and universal conferences periodically. Also, the faculty members undergo a training and a developing program of the abilities at the highest locally and internationally level, and that contributes to develop whether their research, teaching or administrative abilities and skills. They participate in both competitive and research projects whether they were previous or present projects related to the field of specialization.

13- The graduate of the Mechatronic Engineering Program at the Faculty of Engineering, Tanta University, is distinguished by having practical experience that distinguishes him from his peers in the labor market due to the existence of distinguished cooperation protocols that were held between Mechatronics Engineering Program and a number of good companies and consulting offices in the field of Mechatronic Engineering and Mechanical Engineering in general.

14- One of the distinctive features of the mechatronics engineering program is its support for the troubled students and to encourage the excellent students in several ways the most important is providing motivational scholarships, material rewards and increasing the number of registration hours for students who are distinguished from their peers.

15- The graduate of the Mechatronic Engineering Program is distinguished by several distinct specifications that make him familiar with everything that qualifies him to be an engineer who is professionally able to apply technical and administrative skills in planning, designing, building, operating or maintaining mechatronic systems and to use his skills to analyze and design systems, identify the methods and materials of the project, analyze and estimate the costs of the mechanical and electrical projects and the management of technical activities for supporting the mechanical and electrical engineering projects.

16- One of the most important distinguished features of a graduate of the Mechatronics Engineering Program from similar programs in local universities is the existence of a partnership agreement between the Tanta University and Bradford University which allows students of the mechatronics engineering program to complete their studies at faculty of engineering Bradford University and obtain a bachelor’s degree from Bradford University in addition to the bachelor's from Tanta University or to obtain the master of degree from Bradford University.